HANDWRITING EXEMPLAR PACKET

INSTRUCTIONS FOR INVESTIGATOR

- 1. Have the subject complete the first two exemplar pages with every exemplar taken.
- 2. Use exemplar C for dictated material. The exemplar taken on this page should be of the same topic as the questioned writing. Analysis is best done when a quantity of writing is available for comparison.
- 3. Instruct the subject to write in cursive or print depending on the style in the question document.
- 4. Have the subject use the same or similar writing instrument as used in the questioned writing.
- 5. Keep subject under observation while exemplar is being taken.
- Note subject's physical condition giving attention to the influence of drugs or alcohol.

CFS#	
OF 3#	

EXEMPLAR	A

	•	NAME_			
•			LAST	FIRST	MIDDLE
, 					
				<u> </u>	
AME			TELEPHONE #		SEX
DDRESS			CITY		STATE
INTHPLACE			BIRTHDAY	AGE	
OLOR OF HAIR	COLOR OF EYES		HEIGHT	WEIGH	<u> </u>
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MPLOYER		FROM	тс	o .	· · · · · · · · · · · · · · · · · · ·
NAME OF NEAREST RELATIVE		RELATION	ISHIP		
ADDRESS OF ABOVE		CITY		STATE	
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ADDRESS OF ABOVE	<u>.</u>	CITY		STATE	
MONTHS OF THE YEAR					· - · ·
DAYS OF THE WEEK					**
CAPITAL LETTERS			·		•
		• • • • • • • • • • • • • • • • • • • •			
SMALL LETTERS	<u>.</u>	·		<u> </u>	
	·				
WRITE THE FOLLOWING		•	•	· · · · · · · · · · · · · · · · · · ·	
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TEN TWENTY H	INDRED DOLLARS	CENTS	AND	& CASI	THOUSAND
	HAND				
I AM WRITING THIS EXEMPLAR WITH MY SIGNATURE	*ION		•	DATI	<u> </u>
THE ABOVE IS A SAMPLE OF MY NORMAL HANDY	VALUE	•			

EXEMPLAR	
EVERITHE.	

PRINTED NAME

HIGHEST GRADE

DATE

COMPLETED & SCHOOL

(FIRST, MIDDLE, LAST)				
Use the space below for dictated material.	1			-
				
			•	
		Transaction of the second of t		
4756 N. 49TH STREET		1928 NOFITH 300 AVE		
				-
				•
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Abbot succeed effort gag	gle simmer root an	ay essence Battle		
Arthur Bob Charles	Don Ed	ward Frank	George Henry Jo	hasan
	•			
Ken ivan MacMay	Nancy	Olson Paul	Robert Steven To	om .
	•			•
Vicki Winn Yancy	Lioyd T	. McGriff	James H. ΜεΩυ	п
	•			·
Larry Brown Gorzales	Wilson Earl Jones		Route 6, Box 358, Apl. 842	
SIGNATURE		DATE		
THE ABOVE IS A SAMPLE OF MY NORMAL HANDWRITIN	G			
FOR INVESTIGATOR'S USE ONLY				
WITNESSED BY:	·	DATE		·
EXEMPLARS OF (PRINT LAST NAME, FIRST NAME, INITI	AL) .		·	
CFS#	HAGE	SEX		

C EXEMPLAR USE THIS SPACE FOR DICTATED MATERIAL

SIGNATURE

- DATE

THE ABOVE IS A SAMPLE OF MY NORMAL HANDWRITING

FOR INVESTIGATOR'S USE ONLY

DR/CFS#

DATE TAKEN

ι•	
	Date
Pay to the order of	
·	dollars.
Mama	
Memo	
	·
	Date
Pay to the order of	\$
	dollars.
Memo	
	Date
	· · · · · · · · · · · · · · · · · · ·
Pay to the order of	
	dollars.
Memo	

The Egyptian Letter

Dear Sam:

From Egypt we went to Italy, and then took a trip to Germany, Holland and England. We enjoyed it all but Rome and London most. In Berlin we met Mr. John O. Young of Messrs. Tackico & Co., on his way to Vienna. His address there is 147 upper Zeiss Street, care of Dr. Quincy W. Long. Friday the 18th, we join C. N. Dazet, Esquire and Mrs. Dazet, and leave at 6:30 A.M. for Paris on the 'Q. X.' Express and early on the morning on the 25th of June start for home on the S. S. King.

Very sincerely yours,"

The Class of "16" Letter

Dear Zach,

Well, the old class of "16" is through at last. You ask where the boys are to be. Val Brown goes on the 24th to Harvard for law. Don't forget to address him as "Esquire." Ted Updyke takes a position with the N. Y. W. H. & H. R. R., 892 Ladd Ave., Fall River, Massachusetts, and Jack McQuade with the D. L. & W. at Jersey City, N. J. 400 E. 6th Street. William Fellows just left for a department position in Washington; his address is 735 South G. St. At last account, Dr. Max King was to go to John Hopkins for a Ph.D. degree. Think of that! Elliott goes to Xenia, Ohio, to be a Y. M. C. A. secretary. I stay here for the present. What do you do next? How about Idaho?

Yours truly, and goodbye.

Additionally the writer may be instructed to reproduce all of the printed and cursive letters of the alphabet, both upper case and lower case. He may also be asked to write numbers from "1" to "100". Other dictated material as necessary, such as the days of the week or months of the year, may also be required.

Some agencies have developed their own generic handwriting exemplar forms. It would appear that many of these have been created by someone with a misplaced sense of humor, requiring the subject to write names such as Xerxes Y. Zitto or Urestes V. Whitehouse.

Because of the new river of immigrants currently arriving in many areas of the United States, the

The London Business Letter

Prior to taking comparable handwriting samples from a suspect or victim, an investigator may want, as a warm up, to dictate the content of the following paragraph known as the London Business Letter which conveniently incorporates all twenty-six letters of the alphabet (upper and lower case) and numerals 0 through 9.

"Our London business is good, but Vienna and Berlin are quiet. Mr. D. Lloyd has gone to Switzerland and I hope for good news. He will be there for a week at 1496 Zermott St. and then goes to Turin and Rome and will join Col. Parry and arrive at Athens, Greece, Nov. 27th or Dec. 2nd. Letters there should be addressed: King James Blvd. 3580. We expect Chas. E. Fuller Tuesday. Dr. L McQuaid and Robt. Unger, Esq., left on the "Y.X." Express tonight."

· · · · · · · · · · · · · · · · · · ·
Date <u>\$-1-89</u>
Pay to the order of Walmart \$ 10000/XX All hundred dollars & coloo dollars.
Memo TOC'S Stuff Welse Heat Hook
Date8-1-69
Pay to the order of halmart \$ 100 00/100 dollars.
Memo Food Justin Wiltman
Date <u>8/1/09</u>
Pay to the order of WAI-Must \$ 100,00 dollars.
Memo Skal Syphe's Joyah & Muy

MARK S. WERNER
Senior Litigator
Federal Defenders of Montana
Billings Branch Office
P.O. Box 1778
Billings, MT 59103

Phone: (406) 259-2459 Fax: (406) 259-2569

Email: mark_werner@fd.org

Attorney for Defendant

IN THE UNITED STATES DISTRICT COURT

FOR THE DISTRICT OF MONTANA

BILLINGS DIVISION

UNITED STATES OF AM	MERICA,	Crim No. CR-08-129-BLG-RFC
Plaintif vs.	f,	AFFIDAVIT OF INVESTIGATOR JOSEPH GAFFNEY
YOLANDA CHRISTY CO	OSTA,	
Defendar	ıt.	
STATE OF MONTANA)	
County of Missoula	ss.)	

Joseph Gaffney, states as follows, under penalty of perjury.

- My name is Joseph Gaffney. I am over the age of 18 years old and I reside in Missoula, Montana.
- I am employed by the Federal Defenders of Montana, Inc., as the Investigator for the Missoula Branch office.

- I have sixteen years of experience examining hundreds of handwriting specimens in connection with questioned documents and have successfully completed both the United States Secret Service Basic and Advanced Ouestioned Documents Courses.
- I have been called upon to give qualified testimony regarding matters of handwriting comparison of questioned documents within the Fourth Judicial District Court, and Municipal Court, in Missoula, Montana. (See Attached CV)
- 5. On July 17, 2009, the Federal Defenders of Montana Investigator, for the Billings Branch Office, Russ Curry, requested my assistance in examining handwriting belonging to Yolanda Christy Costa (Ms. Costa). Specifically, handwriting specimens written by Ms. Costa using her right and left hands.
- 6. I provided Mr. Curry handwriting exemplars for Ms. Costa to fill out, one titled "The Egyptian Letter," one titled "The Class of "16" Letter." Additionally, I provided two pages of blank checks for Ms. Costa to fill out, each using her right and left hand.
- 7. On July 21, 2009, I received via email eight handwritten specimens purported to have been filled out by Ms. Costa in the presence of Investigator Curry. The specimens were printed and given a specimen number by me on the lower left of each page, K1 through K8
- 8. Specimens:
- 9. K1 "The Class of "16" Letter"
- 10. K2 "The Egyptian Letter"
- 11. K3 "Wal-Mart," "Target" and "Albertson's" checks
- 12. K4 "The Class of "16" Letter"
- 13. K5 "The Egyptian Letter"

14. K6 - "Wal-Mart," "Target" and "Albertson's" checks

15. K7 - "Advice of Penalties and Sanctions" form dated November 18, 2008

16. Q8 - "Advice of Rights" form dated July 19, 2008 at 3:06 P.M.

17. Specimens K1, K2 and K3 were purported to be written by Ms. Costa using her left

hand. Specimens K4, K5 and K6 were purported to be written by Ms. Costa using

her right hand.

18. Specimens K7 and Q8 were purported to be written by Ms. Costa but it is unknown

by which hand.

19. After examining all submitted specimens, the Yolanda Costa signature on Q8,

Advice of Rights form dated July 19, 2008, was written by Ms. Costa using her right

hand.

20. All the specimens were independently examined by Barbara Fortunate, Crime Scene

Technician for the Missoula Police Department. Ms. Fortunate reached the same

conclusion.

I swear to the best of my knowledge and memory, the forgoing is true and correct this 21st

day of July, 2009.

FURTHER I STATE NOT.

Joseph C. Gaffney

Federal Defender Investigator

Federal Defenders of Montana

P.O. Box 9380

Missoula, MT 59807

(406) 721-6749

P.O. Box 9380 Missoula, MT 59807-9380 (406) 721-6749

SUBSCRIBED AND SWORN to before this 21st day of July, 2009.

MELISSA STURTZ-HAAB Notary Public for the State of Montana Residing in Missoula, Montana My Commission Expires: May 15, 2008

Federal Defenders of Montana P.O. Box 9180 Missoula, MT 59807-9380 (406) 721-6749

ADVICE OF RIGHTS

Place BH County Junil
Date 7/19/07
Time 3:06 p.m.

YOUR RIGHTS

Before we ask you any questions, you must understand your rights.

You have the right to remain silent.

Anything you say can be used against you in court.

You have the right to talk to a lawyer for advice before we ask you any questions.

You have the right to have a lawyer with you during questioning.

If you cannot afford a lawyer, one will be appointed for you before any questioning if you wish.

If you decide to answer questions now without a lawyer present, you have the right to stop answering at any time.

I have read this statement of my rights and I understand what my rights are. At this time, I am willing to answer questions without a lawyer present.

Signed Yolanda Costre

Witness:

Witness

B14 #245

Time.

7. m

QE

Dear Zach,

We In the old class of "It is through at lest Tow and before

the loss we to be. Val frown specion the 24th to

Howard forlow. Don't forget to a divers him as

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& HIRA & To Land Due, Fall River Massacharetts;

and Jack Manade with the D. Lix W. at

Je KSO V. City, N. J. 400 F. 64 Street William

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in your instancy, his actives is 795 South G. St. Ho

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Xeira. Vhis to be a J. M. C. A. Sprakms. Italy 2 pro

Dir the present what do next? Howabout Idak?

Yourstraly, and goodsy.

Tolopola Cebta

KI

Dear Sam:

From Egypt We Went to Italy, and then took a trip
to Germany. Holland and England. We enjoyed to all but Rome
and Lundon most In Berlin we med min John O. Yang of masts.
Takicad Ca., On his why to Vienna His address there
is 147 upper Zeis s Street, care on Dr. Quing allong
Friday the 18th but joined C.N. Donzot. Esquise and
Mrs. Orzeti and leave at 650AM. For Paris on the
D.X. Express and early on the Morning on the 25th as
June Stortfor lone on the J.S. King,

Vew sincerely yours

Bland of Colfa

Date 7/21/09	
Pay to the order of Wal Mart . \$ 150.00]
One Hundred and xx/100 dollars.	
Memo	
	!
Date 7/21/09	
Pay to the order of langot \$50.00]
Fifty and XX (100,1 dollars.	
Memo	
Date 7/21/09	•
Pay to the order of Albertain's \$34.00	
Thirty four and xx/100 dollars.	
Memo Yaharaha Goda	

Pear Zach,

Well, the old Class of "16" is through at lasta You ask where the boys are to be. Val Brown goes on the 24 to Harvard for law. Pon't forget to address him as "Esquire." Teal Updyke takes a position with the N.Y.W. H. & H. R.R., 892 Ladd Ave., Fall River, Massachusetts, and Jack Mc Quade with the P. L. & W. at Jersey City, N.J. 400 E, 6th Street. William Fellows Just left for a department position in Washington; his address is 735 South G. St. At last account. Dr. Maxx King was to go to John Hopkins for a Ph. P. degree. Think of that! Elliott goes to Xenia, Ohio, to be a Y.M.C. A Secretary. I stay here for the presen. What do you do next? Howabout I daho?

Yours truly, and goodbye.

Volanda Costa

Dear Som:

From Egypt we went to Italy, and then took a trip to Germany, Holland and England. We enjoyed it all but Rome and London Most. In Berlin we met mr John D. Young of Messes. Tackico & Co., On his way to Vienna His address there is 147 upper Zeiss Street, Care of Pr. Quincy W. Long. Eriday the 18th, we join C. N. Dazet, Esquire and Mrs Dazet and leave at 6:30 Am, for Paris on the 'Q.X.' Express and early on the morning on the 25th of June start for home on the S.S. King.

Very sincerely yours,"

Valanda Costa

K5

Date 7/2//09
Pay to the order of $\frac{Wal-Mart}{\$100.00}$
One Hundred and XX/100 dollars.
Memo
Date _ 7/21/09
Pay to the order of Target \$ 50.00
Fifty and XX/100 dollars.
Memo Yalanda Costa
Date 7/21/09
Pay to the order of Albertson's \$34.00
Thirdy un four and xx/100 dollars.
MemoYolanda Costa.

K6

Advice of Penalties and Sanctions

TO THE DEFENDANT:

YOU ARE ADVISED OF THE FOLLOWING PENALTIES AND SANCTIONS:

A violation of any of the foregoing conditions of release may result in the immediate issuance of a warrant for your arrest, a revocation of release, an order of detention, and a prosecution for contempt of court and could result in a term of imprisonment, a fine, or both.

The commission of a Federal offense while on pretrial release will result in an additional sentence of a term of imprisonment of not more than ten years, if the offense is a felony; or a term of imprisonment of not more than one year, if the offense is a misdemeanor. This sentence shall be in addition to any other sentence.

Federal law makes it a crime punishable by up to 10 years of imprisonment, and a \$250,000 fine or both to obstruct a criminal investigation. It is a crime punishable by up to ten years of imprisonment, and a \$250,000 fine or both to tamper with a witness, victim or informant; to retaliate or attempt to retaliate against a witness, victim or informant; or to intimidate or attempt to intimidate a witness, victim, juror, informant, or officer of the court. The penalties for tampering, retaliation, or infinidation are significantly more serious if they involve a killing or attempted killing.

If after release, you knowingly fail to appear as required by the conditions of release, or to surrender for the service of sentence, you may be prosecuted for failing to appear or surrender and additional punishment may be imposed. If you are convicted of:

(1) an offense punishable by death, life imprisonment, or imprisonment for a term of fifteen years or more, you shall be fined not more than \$250,000 or imprisoned for not more than 10 years, or both;

(2) an offense punishable by imprisonment for a term of five years or more, but less than fifteen years, you shall be fined not more than \$250,000 or imprisoned for not more than five years, or both;

(3) any other felony, you shall be fined not more than \$250,000 or imprisoned not more than two years, or both;
 (4) a misdemeanor, you shall be fined not more than \$100,000 or imprisoned not more than one year, or both.

A term of imprisonment imposed for failure to appear or surrender shall be in addition to the sentence for any other offense. In addition, a failure to appear or surrender may result in the forfeiture of any bond posted.

Acknowledgement of Defendant

I acknowledge that I am the defendant in this case and that I am aware of the conditions of release. I promise to obey all conditions of release, to appear as directed, and to surrender for service of any sentence imposed. I am aware of the penalties and sanctions set forth above.

Ydewda Cost Signature of Defen	dant
P. O. BOX 47	
Address	
PRYOR, MT 59066	
City and State	Telephone

,	
Directions to United Sta	tes Marshal
The defendant is ORDERED released after processing. () The United States marshal is ORDERED to keep the defendant in a defendant has posted bond and/or complied with all other condition appropriate judicial officer at the time and place specified, if still in Date: () O Lease 18 2008	ons for release. The defondant shall be produced before the pustody.
•	Signature of Indicial Officer
·	Name and Title of Judicial Officer

WHITE COPY - COURT

YELLOW - DEFENDANT

GREEN - PRETRIAL BERVICE

BLUE - U.S. ATTORNEY

PINK - U.S. MARSHAL

SOURCES OF STANDARD HANDWRITING

Inquiry at the following sources will often yield the desired specimens which could qualify as standards:

APPLICATIONS

For licenses
For employment
For loans
For permits
For bail bonds
For utility service
For money orders
For naturalization
For school enrollment
For reservations
For operators's license

For insurance For mortgages

For enlistment (military)

For money (telegraph)

CONTRACTS

Gas & Electric
Telephone
Installment
Purchase
Loans
Mortgages
Partnership
Furniture

MUNICIPAL & STATE RECORDS

Baptismal Certificates Marriage Certificates Death Certificates Surrogate's Court Police Court Children's Court Bail Bonds Complaint Bureaus Bankruptcy Records Civil Service Motor Vehicle Court of Claims Tax Returns Civil Proceedings Voting Records Permirs & Licenses Jury Duty Records

FEDERAL GOVERNMENT

Tax Returns
Civil Service
Penitentiary
Other institutions
Military records
Passports
Immigration
Customs
U. S. Post Office
Federal Court
Bail Bonds
Naturalization
Patents
Copyrights
Permittee reports

BUSINESS & SOCIAL

Office Personnel Business Associates Memoranda (handwritten) Professional Rolls Clubs and Lodges. Societies & Fraternities School & College Express & Telegraph Incorporation papers Notaries Family and Friends Social Letters Cancelled checks Bank records Power of Attorney Safe Deposit Companies Neighbors & Friends Valentines & Post Cards Receipted Bills Insurance records Department receipts Travel Reservations Autograph Albums Political Organizations Labor Union Records Time Cards Pension Records

The second secon

101 SOURCES OF HANDWRITING SPECIMENS

- 1. Account books
- 2. Affidavits
- 3. Assignments
- 4. Autographs
- 5. Automobile insurance applications
- 6. Automobile license applications
- 7. Automobile title certificates
- 8. Bank deposit slips
- 9. Bank safe deposit entry slips
- 10. Bank savings withdrawal slips
- 11. Bank signature cards
- 12. Bank statements, receipts for
- 13. Bible entries
- 14. Bills of sale
- 15. Bonds
- 16. Books, signatures of owner in
- 17. Building "after hours" registers
- 18. Busines license applications
- 19. Charity pledges
- 20. Check book stubs
- 21. Checks, including endorsements
- 22. Church pledges
- 23. Convention registration books
- 24. Contracts
- '5. Cooking recipes
- 6. Corporation papers
- 27. Criminal records
- . 28. Credit applications
 - 29. Credit cards
 - 30. Deeds
- 31. Deeds of trust
- 32. Depositions
- 33. Diaries
- 34. Dog license applications
- 35. Drafts
- 36. Drive-it-yourself applications
- 37. Drivers licenses and applications
- 38. Druggists' poison registers
- 39. Employment applications
- 40. Envelopes
- 41. Fishing licenses
- 42. Funeral attendance registers
- 43. Gas service applications
- 44. Gasoline mileage records
- 45. Gate records at defense plants .
- 46. Greeting cards, Christmas, etc.
- 47. Hospital entry applications, etc.
- 48. Hotel and motel guest registers
- 49. Hunting license
- 7. Identification cards
 - . Inventories

- 52. Leases, real property
- 53. Letters
- 54. Library card applications
- 55. Light company applications
- 56. Life insurance applications
- 57. Loan applications
- 58. Mail orders
- 59. Manuscripts .
- 60. Marriage records
- 61. Membership cards
- 62. Memoranda of all kinds63. Military papers
- 64. Mortgages
- 65. Newspaper advertisement copy
- 66. Occupational writings
- 67. Package receipts
- 68. Parents signatures on report cards
- 69. Partnership papers
- 70. Pawn tickets
- 71. Passports
- 72. Payroll receipts
- 73. Pension applications
- 74. Permit applications
- 75. Petitions, referendum, etc.
- 76. Photograph albums
- 77. Pleadings
- 78. Postal cards
- 79. Probate court papers
- 80. Promissory notes
- 81. Property damage reports
- 82. Receipts for rent, etc.
- 83. Registered mail return receipts
- 84. Releases of mortgages
- 85. Rental contracts for equipment
- 86. Reports
- 87. Retail store sales slips
- 88. School and college papers
- 89. Social security cards & papers
- 90. Sport and game score cards
- 91. Stock certificates, endorsements on
- 92. Surety bond applications
- 93. Tax estimates and returns
- 94. Telegram copy
- 95. Telephone service applications
- 96. Time sheets
- 97. Traffic tickets
- 98. Voting registration records
- 99. Water company service applications
- 100. Wills
- 101. Workmens compensation papers





INCONCLUSIVE OPINIONS AS VIEWED BY THE COURTS^{1,2}

Comments by the court on qualified opinions. by Charles C. Scott³

REFERENCES: Scott, C. C., "Inconclusive Opinions As Viewed by the Courts," International Journal of Forensic Document Examiners, Vol. 5, Jan/Dec 1999, pp. 237-239.

ABSTRACT: Comments, observations and case law related to the admissibility of document examinations opinions to the court.

KEYWORDS: Court decisions, inconclusive opinions, document examination.

"Certitude is not the test of certainty. We have been cocksure of many things that were so." Oliver Wendell Holmes, Jr., "Natural Law," 32 Harvard Law Review 40.

Introduction

Many document examiners and some lawyers think an expert's opinion is never admissible in evidence unless it is based upon a reasonable degree of scientific certainty. Actually, if a document examiner is properly qualified, his opinion is admissible regardless of its degree of certainty. Lack of certainty affects the weight but not the admissibility of his opinion. Indeed, under Rule 702 of the Federal Rules of Evidence and similar state rules, an expert may testify "in the form of an opinion or otherwise." This has been construed as meaning that even though an expert has not formed an opinion, if he is properly qualified he may take the stand, give an explanation of scientific or other principles, state what he observed a result of his examination, and leave it to the judge or jury to m an opinion pertinent to the case.

Judges often are impressed more by an expert who expresses his best judgment than by one who is absolutely sure about everything. Of course, if a witness is certain he can and should so testify. There is no sound reason he should express doubts about the validity of an opinion when he has none. See the Matter of the Will of Ray, 242 S.E.2d 194, 35 N.C.App. 646 (1978).

In the Lindberg Kidnapping case, Albert S. Osborn testified that the conclusion that Hauptmann wrote every one of the ransom notes was irresistible, unanswerable, and overwhelming. State v. Hauptmann, 180 A. 80, 115 N.J. Law 412, cert. denied 56 S.Ct. 310, 296 U.S. 649, 80 L.Ed.461. He was right, no doubt, but had the case not been a cause celebre words expressing such certitude might have been considered objectionable.

The above observations are amply supported by the following digest of case law:

United States

United States V. Calvin, 394 F.2d 228 (C. C. A .3,1968). Check forgery case. Qualified handwriting expert's testimony that "it is probable that" defendant forged endorsements on checks in question was sufficient to permit jury to find guilt beyond a reasonable doubt on forgery count.

"[T]he opinion of a handwriting expert, once admitted, can be used for the same purposes and to the same effect as the opinion of other experts... and is not inadmissible under the Opinion Rule or otherwise because it expresses a probability, "—Id.

Any reservations expressed by a handwriting expert while stating an opinion, as with shortcomings in an expert's qualifications, go to the weight of the evidence and are a determination for the jury or fact finder to make. —Id.

United States v. Spencer, 439 F.2d 1047 (C.C.A.2, 1971). Testimony of handwriting expert, while somewhat equivocal, supported defendant's connection with forged checks.

United States v. Wilson, 441 F.2d 655 (C.C.A.2,1971). A handwriting expert need not have absolute certitude about his opinion for it to be allowed in evidence.

A handwriting expert's lack of absolute certitude goes to the weight, not the admissibility of his opinion. — Id.

United States v. Harper, 457 F.2d 373 (C.C.A.7,1972). Here a handwriting expert testified that his opinion was "slightly qualified." The only reason for that slight qualification was the fact that the letters in the handwriting exemplars did not always appear in the same sequence as on the check in question.

United States v. McNeal, 463 F.2d 1180 (C.C.A.5,1972). "[A] document analyst with the office of the Examiner of Questioned Documents, Department of Treasury, testified that in his opinion it was 'highly probable,' which to him meant 'virtually certain,' that the . . . endorsement on the back of the check was written by McNeal."

United States v. Ranta, 482 F.2d 1344 (C.C.A.8,1973). Government handwriting expert could not determine conclusively that defendant's handwriting was the same as that found on the forged check, nor could he exclude defendant as the writer. Neither the prosecutor nor the counsel for the defendant called the handwriting expert but, over defendant's objection, the court permitted the jury to compare exemplars of defendant's handwriting with endorsement on check in question. No error.

United States v. Woodson, 526 F.2d 550 (C.C.A.9,1975). Even though government's handwriting expert testified he was unable to say whether signatures in question and defendant's handwriting exemplars were of common or dissimilar authorship, it was not error to instruct the jury that it was free, under the usual rule permitting it to either accept or reject part or all of the testimony of an expert, to arrive at its own conclusion about the question.

United States v. Ledee, 549 F.2d 990 (C.C.A.5,1977). Report of government's handwriting expert stated that due to the presence of distortion in portions of the questioned writing and the presence of unexplained handwriting characteristics, no definite conclusion could be reached as to whether or not the person who signed cards and letters (from appellant to his girlfriend) was the same individual who signed as the maker on the checks involved in the charges. The government did not call the expert but the testimony which would have been given by him was stipulated to by the government and explained to the jury by the court. Conviction affirmed. The stipulation is set out in the opinion.

United States v. Fleishman, 684 F.2d 1329 (C.C.A.9, 1982) cert. denied 103 S.Ct. 464. "To make handwriting testimony admissible in evidence, absolute certainty of result is not required."

¹Received January 15, 1997. Permission to reprint granted by the office of Mr.

ented at the 46th Annual Meeting of the American Society of Questioned ament Examiners, Aurora, Colorado, 1988.

⁽Deceased), Forensic Document Examiner, Kansas City, Missouri.

Allegation that handwriting expert's opinion is uncertain, goes to the weight of his testimony rather than its admissibility. — Id.

If a witness is properly qualified as a handwriting expert, his testimony, regardless of the level of certainty as to his conclusions, fulfills the requisites of Rule 702 of the Federal Rules of Evidence and is helpful in assisting the jury in its deliberations. — Id.

United States V. Tovar, 687 F.2d 1210, 1215 (C.C.A.8,1982). "Regent testified that the signatures on the money orders were 'probably' the same as those on the exemplars obtained from Tovar. Tovar urges that when Regent used 'probably' to qualify his opinion he was speculating. This argument is without merit. . . . Regent's use of 'probably' indicates some degree of certainty based neither on mathematical odds nor mere speculation. Thus, the trial judge did not err in allowing Regent to testify as he did."

United States V. Hardrich, 707 F.2d 992 (C.C.A.8, 1983). Handwriting expert's testimony that defendant "may have written" some of the documents in question was sufficiently probative as to be admissible under Rule 702, Federal Rules of Evidence.

United States v. Herrera, 832 F.2d 833 (C.C.A.4,1987). Handwriting expert's "somewhat equivocal" testimony that he had a "high degree of belief" that the handwriting in question was that of defendant, was admissible. An expert opinion on handwriting need not be based upon absolute certainty in order to be admissible.

California

People V. Sheridan, 29 P.2d 464, 136 Cal. App.2d 675 (1934). In summarizing the evidence in this forgery case the court quoted, without comment, handwriting expert's testimony that his opinion was not certain because the amount of standard writing was quite limited.

People v Gaines, 34 P.2d 146, 1 Cal.2d 565 (1934). Since defendant's handwriting expert could not express a definite opinion on a signature question, defendant's counsel sought to have him point out the features of the handwriting of the defendant and the complaining witness. The trial court refused the request, stating that it was not the function of a handwriting expert to point out a lot of similarities and dissimilarities. The appellate court held this was error. This holding is in accord with the modern view expressed in Rule 702 of the Federal Rules of Evidence which provides that an expert may testify "in the form of an opinion or otherwise."

People v. Geibel, 208 P.2d 743 (Cal. App.1949). Forgery case. Here the appellate court, without criticism, discussed handwriting expert's testimony that while he could not say positively that the same person wrote the body of a document and the signature, it was his best judgment the same person did.

People v. Torres, 331 P.2d 224, 164 Cal. App.2d 621 (1958). Where document examiner testified that because of insufficient exemplars he could not reach a positive conclusion as to whether defendant filled in the check in question, the jury was authorized to make their own comparison and reach their own conclusion.

People V. Gray, 4 Cal. Rptr. 605 (1960). Testimony of defendant's handwriting expert, because of its conceded uncertainty and qualified nature, was not sufficient to render incredible the testimony of a witness who saw a document signed.

Colorado

Cheatwood V. People, 435 P.2d 402, 164 Cob. 334 (1968). FBI report stated that due to unexplainable handwriting variations, a

definite conclusion was not reached as to whether defendant endorsed the check in question. However, differences in handwriting were noted. New trial granted, in part because the existence of this report was not revealed to defendant until after his trial and conviction.

District of Columbia

Clifford v. United States, 532 A.2d 628, 639 (D.C.App. 1987). "Expert evidence must derive from a science or art sufficiently advanced to permit its practitioners to reach 'a reasonable opinion' about the matter in question; outright speculation may be excluded as not helpful to the jury, as more prejudicial than probative, or as too likely to confuse the jury."

"Short of pure speculation, the degree of certainty with which a particular expert witness proffers an opinion goes to the weight of the testimony, not to its admissibility, and the weight to be given an expert opinion is for the jury to decide."— Id.

"In particular, for an opinion to be admissible, an expert need not state that he or she holds the opinion to a 'reasonable scientific certainty.' United States v. Cyphers, 553 F.2d 1064, 1072 (7th Cir.), cert. denied, 434 U.S. 843, 98 S.Ct. 142, 54 L.Ed.2d 107 (1977); State v. Woodbury, 403 A.2d 1166, 1170 (Mc.1979). A rule of admissibility demanding a greater level of self-proclaimed certainty on the witness' part would remove from the jury its role in weighing the evidence."—Id.

The question of the admissibility of expert opinion is different from the question of the sufficiency of an expert's opinion to prove an element of a claim or defense. Where an essential element of proof can only be shown through expert testimony, there is good reason for courts "to take steps to assure that reliable opinions are given." — Id.

Florida

Dozier v. Smith, 446 So.2d 1107 (Fla.App.1984). Expert "was not able to reach a definite conclusion but indicated that the evidence leaned quite heavily toward the signature being genuine."

Iowa

State v. Willey, 171 N.W.2d 301 (lowa 1969). "A handwriting expert, called as a witness for the defense, opined that his comparison of the check with the handwriting specimen did not conclusively show defendant authored the forged document. In support of this opinion he referred to differences in writing based in part on variations in slant, size, style and spacing."

Maryland

Whitehurst v. Whitehurst, 145 A. 204, 156 Md. 610 (1928). Here the court was impressed more by the opinion of defendant's expert, who said he could not give a positive opinion, than by the testimony of plaintiff's expert who "was sure, with a sureness characteristic of most experts."

DiPietro v. State, 356 A.2d 599, 31 Md.App. 392 (1976). "The . . . handwriting analysis by the F.B.I. stated that 'due to unexplained variations, it was not determined whether any of the questioned writing on Q-1 and Q-2 [the two forged checks] was or was not written by C. DiPietro, K-1 [the appellant].'" Nevertheless the trial judge made his own comparison of the writing on the

subject check and defendant's handwriting samples, and concluded that defendant wrote the subject check.



State v. Forbus, 332 S.W.2d 931 (Mo.1960). Handwriting expert testified that he was "reasonably sure" that the endorsement on the back of the money order in question was in the same handwriting as the known specimens of defendant's handwriting submitted to him for comparison.

State v. Khajehnouri, 572 S.W.2d 238 (Mo.App.1978). Forgery case. Handwriting expert testified that the handwriting on the checks in question was "most probably" the handwriting of the person who gave exemplars.

A handwriting expert does not become disqualified as an expert merely because he qualifies his opinion.— Id.

Montana

State v. Forsyth, 642 P.2d 1035, 197 Mont. 248 (1982). Handwriting expert testified that writing in question when compared with exemplar taken from defendant, "could have been" that of defendant.

Nebraska

Dunbier v. Rafert, 103 N.W.2d 814, 170 Neb. 570 (1960). Expert testified that from a comparison of handwriting "he was unable to arrive at a conclusive opinion as to whether or not the true signature of [purported signer] appeared on the contract."

New Jersey

State v. Green, 258 A.2d 889, 55 N.J. 13 (1969). "[T]he expert concluded that although there was insufficient evidence to form a positive identification, there were numerous similarities between defendant's handwriting and the signature on the check, and the defendant could not be eliminated from consideration."

New York

People V. Hunter, 315 N.E.2d 436, 34 N.Y.2d 432, 358 N.Y.S.2d 360 (1974). Handwriting expert testified that endorsements on three of ten checks in question were in the handwriting of defendant but was unable to give an opinion as to the endorsements on the other seven checks because they were photostatic copies with a smaller scale. Nevertheless, under CPLR 4536, Consol.Laws, c. 8, providing that comparison of a "disputed writing" with a satisfactory standard is permissible, the seven photostatic copies with a smaller scale were properly admitted for the jury to make its own comparison.

People V. Hoffman, 489 N.Y.S.2d 374, 375, 111 A.D.2d 412 (1985). "Where the prosecution's expert witness testified that two of the three signatures found on the certificate of title were written by defendant, but as to the third he could only state that it very probably was written by defendant, a prima facie case of forgery in the second degree by falsely completing a commercial instrument has been made out."

North Carolina

State V. Curry, 220 S.E.2d 545, 288 N.C. 660 (1975). Burglary case. The state's handwriting expert testified that he could not determine whether a signature shown on a photostatic copy of a document offered by defendant to establish an alibi and the known sample of defendant's handwriting were written by the same person. He said the photostatic copy was not an adequate basis for the formation of a reliable opinion because a photostatic copy does not show clearly certain handwriting characteristics. Nevertheless, it was not error to permit him to testify as to observable differences between the signature as shown on the photocopy and the known sample of defendant's handwriting.

State v. Travis, 235 S.E.2d 66, 33 N.C.App. 330 (1977). It was proper to permit handwriting expert to testify that in his opinion it was "highly probable" defendant authored the writing in question.

Oregon

State V. Hartfield, 609 P.2d 390, 45 Or. App. 639 (1980). "The witness [handwriting expert] testified that by using the employment applications as exemplars it was his opinion that there was a strong possibility defendant had written the note; he was 90% sure. He said he could not be positive because the samples of handwriting were so few." [But the court held it was improper to permit the handwriting comparison because the employment applications used as exemplars were admitted in evidence over defendant's objection that they were not admitted or treated as genuine by defendant as required by ORS 42.070.].

Tennessee

Phillips v. Tidwell, 174 S.W.2d 472, 26 Tenn.App. 543 (1942). Equivocal statements such as "I think it is the same handwriting", impair the probative value of expert testimony.

Washington

State v. Haislip, 467 P.2d 284 (Wash, 1970). Check forgery case. The court held that the fact that the state 5 handwriting expert testified he had no opinion and was unable to say with any assurance that defendant did or did not sign the checks in question was no reason that the jury could not independently make their own comparison.

Standard Terminology for Expressing Conclusions of Forensic Document Examiners¹

This standard is issued under the fixed designation E 1658; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (e) indicates an editorial change since the last revision or reapproval.

Note—Title was corrected editorially in March 1999.

1. Scope

- 1.1 This terminology is intended to assist forensic document examiners in expressing conclusions based on their examination.
- 1.2 This terminology is based on the report of a committee of the Questioned Document Section of the American Academy of Forensic Science which was adopted as the recommended guidelines in reports and testimony by the Questioned Document Section of the American Academy of Forensic Science and the American Board of Forensic Document Examiners^{2,3}.

2. Referenced Documents .

2.1 ASTM Standards:

E 444 Guide for Description of Work of Forensic Document Examiners²

3. Significance and Use

- 2.1 Document examiners should always begin their handing examinations from a point of complete neutrality. There are an infinite number of gradations of opinion toward an identification or toward an elimination. It is in those cases wherein the opinion is less than definite that careful attention is especially needed in the choice of language used to convey the weight of the evidence.
- 3.2 Common sense dictates that we must limit the terminology we use in expressing our degrees of confidence in the evidence to terms that are readily understandable to those who use our services (including investigators, attorneys, judges, and jury members), as well as to other document examiners. We must be careful that the expressions we use in separating the gradations of opinions do not become strongly defined "categories" that will always be used as a matter of convenience; instead, these expressions should be guidelines without sharply defined boundaries.

- 3.3 When a forensic document examiner chooses to use one of the terms defined below, the listener or reader can assume that this is what the examiner intended the term to mean. To avoid the possibility of misinterpretation of a term where the expert is not present to explain the guidelines in this standard, the appropriate definition(s) could be quoted in or appended to reports.
- 3.4 The examples are given both in the first person and in third person since both methods of reporting are used by document examiners and since both forms meet the main purpose of the standard, *i. e.*, to suggest terminology that is readily understandable. These examples should not be regarded as the only ways to utilize probability statements in reports and testimony. In following any guidelines, the examiner should always bear in mind that sometimes the examination will lead into paths that cannot be anticipated and that no guidelines can cover exactly.
- 3.5 Although the material that follows deals with handwriting, forensic document examiners may apply this terminology to other examinations within the scope of their work, as described in Guide E 444, and it may be used by forensic examiners in other areas, as appropriate.
- 3.6 This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.

4. Terminology

4.1 Recommended Terms:

identification (definite conclusion of identity)—this is the highest degree of confidence expressed by document examiners in handwriting comparisons. The examiner has no reservations whatever, and although prohibited from using the word "fact," the examiner is certain, based on evidence contained in the handwriting, that the writer of the known material actually wrote the writing in question.

Examples—It has been concluded that John Doe wrote the questioned material, or it is my opinion [or conclusion] that John Doe of the known material wrote the questioned material.

strong probability (highly probable, very probable)—the evidence is very persuasive, yet some critical feature or

¹This terminology is under the jurisdiction of ASTM Committee E-30 on Forensic Sciences and is the direct responsibility of Subcommittee E30.02 on Ouestioned Documents.

Current edition approved March 10, 1996. Published March 1997. Originally published as E 1658 - 95. Last previous edition E 1658 - 95.

² McAlexander, T. V., Beck, J., and Dick, R., "The Standardization of Handwriting Opinion Terminology," *Journal of Forensic Science*, Vol. 36. No. 2, March 1991,

³ Annual Book of ASTM Standards, Vol. 14.02.

quality is missing so that an *identification* is not in order; however, the examiner is virtually certain that the questioned and known writings were written by the same individual.

uples—There is strong probability that the John Doe of the anown material wrote the questioned material, or it is my opinion (or conclusion or determination) that the John Doe of the known material very probably wrote the questioned material.

Discussion—Some examiners doubt the desirability of differentiating between strong probability and probable, and certainly they may eliminate this terminology. But those examiners who are trying to encompass the entire "gray scale" of degrees of confidence may wish to use this or a similar term.

probable—the evidence contained in the handwriting points rather strongly toward the questioned and known writings having been written by the same individual; however, it falls short of the" virtually certain" degree of confidence.

Examples—It has been concluded that the John Doe of the known material probably wrote the questioned material, or it is my opinion (or conclusion or determination) that the John Doe of the known material probably wrote the questioned material.

indications (evidence to suggest)—a body of writing has few features which are of significance for handwriting comparison purposes, but those features are in agreement with another body of writing.

Examples—There is evidence which indicates (or suggests) that the John Doe of the known material may have written the questioned material but the evidence falls far short of that sessary to support a definite conclusion.

Discussion—This is a very weak opinion, and a report may be misinterpreted to be an identification by some readers if the report simply states, "The evidence indicates that the John Doe of the known material wrote the questioned material." There should always be additional limiting words or phrases (such as "may have" or "but the evidence is far from conclusive") when this opinion is reported, to ensure that the reader understands that the opinion is weak. Some examiners doubt the desirability of reporting an opinion this vague, and certainly they cannot be criticized if they eliminate this terminology. But those examiners who are trying to encompass the entire "gray scale" of degrees of confidence may wish to use this or a similar term.

no conclusion (totally inconclusive, indeterminable)—This is the zero point of the confidence scale. It is used when there are significantly limiting factors, such as disguise in the questioned and/or known writing or a lack of comparable writing, and the examiner does not have even a leaning one way or another.

Examples—No conclusion could be reached as to whether or not the John Doe of the known material wrote the questioned material, or I could not determine whether or not the John Doe of the known material wrote the questioned material.

indications did not—this carries the same weight as the indications term that is, it is a very weak opinion.

Examples—There is very little significant evidence present in the comparable portions of the questioned and known writings, but that evidence suggests that the John Doe of the wn material did not write the questioned material, or I d indications that the John Doe of the known material

did *not* write the questioned material but the evidence is far from conclusive.

See Discussion after indications.

probably did not—the evidence points rather strongly against the questioned and known writings having been written by the same individual, but, as in the probable range above, the evidence is not quite up to the "virtually certain" range.

Examples—It has been concluded that the John Doe of the known material probably did not write the questioned material, or it is my opinion (or conclusion or determination) that the John Doe of the known material probably did not write the questioned material.

Discussion—Some examiners prefer to state this opinion: "It is unlikely that the John Doe of the known material wrote the questioned material." There is no strong objection to this, as "unlikely" is merely the Anglo-Saxon equivalent of "improbable".

strong probability did not—this carries the same weight as strong probability on the identification side of the scale; that is, the examiner is virtually certain that the questioned and known writings were not written by the same individual.

Examples—There is strong probability that the John Doe of the known material did not write the questioned material, or in my opinion (or conclusion or determination) it is highly probable that the John Doe of the known material did not write the questioned material.

Discussion—Certainly those examiners who choose to use "unlikely" in place of "probably did not" may wish to use "highly unlikely" here.

elimination—this, like the definite conclusion of identity, is the highest degree of confidence expressed by the document examiner in handwriting comparisons. By using this expression the examiner denotes no doubt in his opinion that the questioned and known writings were not written by the same individual.

Examples—It has been concluded that the John Doe of the known material did not write the questioned material, or it is my opinion (or conclusion or determination) that the John Doe of the known material did not write the questioned material.

Discussion—This is often a very difficult determination to make in handwriting examinations, especially when only requested exemplars are available, and extreme care should be used in arriving at this conclusion.

4.1.1 When the opinion is less than definite, there is usually a necessity for additional comments, consisting of such things as reasons for qualification (if the available evidence allows that determination), suggestions for remedies (if any are known), and any other comments that will shed more light on the report. The report should stand alone with no extra explanations necessary.

4.2 Deprecated and Discouraged Expressions:

4.2.1 Several expressions occasionally used by document examiners are troublesome because they may be misinterpreted to imply bias, lack of clarity, or fallaciousness and their use is deprecated. Some of the terms are so blatantly inane (such as "make/no make") that they will not be discussed. The use of others is discouraged because they are incomplete or misused.

These expressions include:

opinions on handwriting because the examiner's task is to decide to what degree of certainty it can be said that a handwriting sample is by a specific person. If the evidence is so limited or unclear that no definite or qualified opinion can be expressed, then the proper answer is no conclusion. To say that the suspect "could have written the material in question" says nothing about probability and is therefore meaningless to the reader or to the court. The examiner should be clear on the different meanings of "possible" and "probable," although they are often used interchangeably in everyday speech.

consistent with—there are times when this expression is perfectly appropriate, such as when "evidence consistent with disguise is present" or "evidence consistent with a simulation or tracing is present, but "the known writing is consistent with the questioned writing" has no intelligible meaning.

could not be identified/cannot identify—these terms are objectionable not only because they are ambiguous but also because they are biased; they imply that the examiner's task is only to identify the suspect, not to decide whether or not the suspect is the writer. If one of these terms is used, it should always be followed by "or eliminate[d]".

similarities were noted/differences as well as similarities these expressions are meaningless without an explanation as to the extent and significance of the similarities or differences between the known and questioned material. These terms should never be substituted for gradations of opinions.

cannot be associated/cannot be connected—these terms are too vague and may be interpreted as reflecting bias as they have no counterpart suggesting that the writer cannot be eliminated either.

no identification—this expression could be understood to mean anything from a strong probability that the suspect wrote the questioned writing; to a complete elimination. It is not only confusing but also grammatically incorrect when used informally in sentences such as." I no identified the writer" or "I made a no ident in this case."

inconclusive—this is commonly used synonymously with no conclusion when the examiner is at the zero point on the scale of confidence. A potential problem is that some people understand this term to mean something short of definite (or conclusive), that is, any degree of probability, and the examiner should be aware of this ambiguity.

positive identification—This phrase is inappropriate because it seems to suggest that some identifications are more positive than others.

[strong] reason to believe—there are too many definitions of believe and belief that lack certitude. It is more appropriate to testify to our conclusion (or determination or expert opinion) than to our belief, so why use that term in a report?

qualified identification—An *identification* is not qualified. However, opinions may be qualified when the evidence falls short of an *identification* or *elimination*.

The American Society for Testing and Materials takes no position respecting the validity of any patent rights asserted in connection with any item mentioned in this standard. Users of this standard are expressly advised that determination of the validity of any such patent rights, and the risk of infringement of such rights, are entirely their own responsibility.

This standard is subject to revision at any time by the responsible technical committee and must be reviewed every five years and if not revised, either reapproved or withdrawn. Your comments are invited either for revision of this standard or for additional standards and should be addressed to ASTM Headquarters. Your comments will receive careful consideration at a meeting of the responsible technical committee, which you may attend. If you feel that your comments have not received a fair hearing you should make your views known to the ASTM Committee on Standards, 100 Barr Harbor Drive, West Conshohocken, PA 19428.

HANDWRITING AND FORGERY CASES

JOE GAFFNEY
INVESTIGATOR
FEDERAL DEFENDERS OF MONTANA

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- 45-6-325, MCA Forgery
- 45-6-332, MCA Theft of Identity
- 45-9-104, MCA Fraudulently Obtaining Dangerous Drugs
- 45-9-110, MCA Criminal Production or Manufacture of Dangerous Drugs
- 45-7-208, MCA Tampering with Public records

45-6-325. Forgery, (1) A pe	son commits the	offense of forgery	when with purpose	to defraud
the person knowingly:				

(a) without authority makes or alters a document or other object apparently capable of being used to defraud another in a manner that it purports to have been made by another or at a nother time or with different provisions or of different composition.

(b) Issues or delivers the document or other object knowing It to have been thus made or altered;

(c) possesses with the purpose of issuing or delivering any such document or other object knowing it to have been thus made or altered; or

(d) possesses with knowledge of its character any plate, die, or other device, apparatus, equipment, or article specifically designed for use in counterfeiting or otherwise forging written instruments.

{2} A purpose to defraud means the purpose of causing another to assume, create, transfer, after, or terminate any right, obligation, or power with reference to any person or property.
(3) A document or other object capable of being used to defraud another includes but is not limited to one by which any right, obligation, or power with reference to any person or property may be created, transferred, altered, or terminated.

(4) A person convicted of the offense of forgery shall be fined not to exceed \$1,500 or be imprisoned in the county fall for any term not to exceed 6 months, or both. If the forgery is part of a common scheme or if the value of the property, falso, or services obtained or attempted to be obtained exceeds \$1,500, the offender shall be fined not to exceed \$50,000 or be imprisoned in the state prison for any term not to exceed 20 years, or both.

History: Ro 34-6-310 by Sec. 1, Ch. 513, L. 1973; R.C.M. 1947, 94-6-310; and, Sec. 7, Ch. 198,

History: In. <u>946-431</u>0 by Sec. 1, Ch. 513, L. 1973; R.C.M. 1947, <u>94-6-310</u> aind. Sec. 7, Ch. 198, L 1981; aind. Sec. 7, Ch. 581, L 1983; aind. Sec. 9, Ch. 616, L 1993; aind. Sec. 12, Ch. 397, L. 1999- aind. Sec. 12, Ch. 473, L. 7109

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U.S. SUPREME COURT DECISION

- 384 U.S. 757 (1966)
- "The privilege against self-incrimination offers no protection against compulsion to submit to fingerprinting, photographing or measurements, to write or speak for identification."

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WHAT IS WRITING?	
It is the "most permanent and unconscious of human habits."	
Albert S. Osborn, 1910	
16	
WHAT IS DOCUMENT EXAMINATION?	
"Document examination is the discipline that	
seeks to determine the history of a document by technical or scientific process."	
Roy A Huber	
n	
WHY IS DOCUMENT EXAMINATION CONDUCTED?	
Genuineness of a document or	
signature	
Identification of the document source Flimination of the document source	
Elimination of the document source How document was produced	

BASIC PREMISE

 "It is true that genuine writing by the same writer does vary......The arm hand and fingers under direction of the brain do not constitute an absolutely accurate reproducing machine, like an engraved plate or printing press, and certain natural divergences are inevitable."

19

BASIC PREMISES

- No person writes exactly the same way each and every time they write
- · No two people write exactly the same
- · Identification is not always achieved
- · Can't compare cursive with printing

10

Continued....

- No one can successfully write above their own skill level
- Handwriting quality and structure deteriorates over time (age and health)
- Quality is not related to legibility, i.e., rapid scrawl of a physician
- Highest degree of variation is found in signatures

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WHAT EXAMINERS LOOK FOR	
Deviation or departure from copy book. How an individual has developed their own	
individuality or style in their writing within variation	
Does the document appear to be naturally written?	
 Is the writing "normal" or "free flowing"? 	
Are there hesitation marks or pen lifts? Speed of Writing	
Special of Willing	
	16
Continued	
Signs of health conditions of the writer	
Contemporaneous of the questioned and	
known document	
 Is the questioned document a simulation, tracing, disguise, free-style or memory? 	
One writer or multiple writers	
Does the writing appear "deliberate"?	
	n

Joseph C. Soffrey	
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COPY BOOK SYSTEMS

- 76 different writing systems (Copy Book) in United States and Canada.
- D'Nealian
- Zaner-Bloser
- Vintage Palmer

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ABCDEFG	Co BA Co
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12345878910	6-7-8-9-10

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"Vintuge Palmer" (VP) Cursive	
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212-21-26.34.3	
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VO Cursive	
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DOCUMENTS NEEDED FOR EXAMINATION

- Use of handwriting exemplars
- Contemporaneous known handwriting samples
- Unsolicited handwriting samples Request and non-request
- · Original documents, if available
- · Questioned document

TOOLS OF THE TRADE

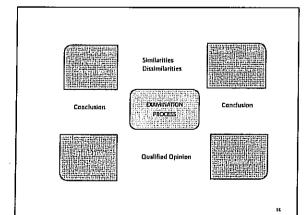
- · Eye for detail
- Magnification with scale
- Stereomicroscope
- Electrostatic Detection Apparatus (ESDA)
- Video Spectral Comparator (VSC)

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EXAMINATION

- Questioned and known documents are analyzed for individual characteristics
- Identifiable characteristics of questioned document are compared to known document
- Evaluation of similarities and dissimilarities between the questioned and known documents and their values are determined for an opinion
- No identification can be attributed to the questioned material being too general in nature, too limited, too distorted, or too highly disguised

15



ELEMENTS OF EXAMINATION

- Handwriting characteristic, i.e., arcade, angular, round, peaks, mountains and valleys
- Letter forms
- · Beginning and ending strokes
- · Spacing between letters
- Size and relationship between tall and small letters
- Size relationship between total height of a letter compared with other parts of the same letter

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Continued....

- · Relative pressure
- Shading writing instrument
- Connecting strokes between letters
- · Special marks such as I-dots and T-crosses
- · Baseline of writing
- · Line quality/skill of writing/speed
- · Slant of writing
- · Size of writing

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- Layout

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INFLUENCING FACTORS OF HANDWRITING

- Authors natural ability, i.e., shoulder-arm-hand finger coordination, motor or movement skills
- Skill level will never exceed authors ability
- Physical condition, i.e., drugs, alcohol, injury and illness
- Writing position
- Writing surface
- Writing instrument

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 "An examiner is not required to reach a conclusion after every examination. It is perfectly professional to request further specimens or to find insufficient material for examination."

Jav Levinson

41

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- After examining all submitted specimens, the Yolanda Costa signature on Q8,

Advice of Rights form dated July 19, 2008, was written by Ms. Costs using her right

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MEMORANDUM

To: Jacey Messer Dag: 19/2016 From OPD Criminal Investigator Joe Gaffiny Re: Questioned Doctmen Haudmalton

On September 9, 2006, I received a brown errestope from OPD Investigator Venia Shingieron of the Universal Regional Office.

Enclosed were decuments for me to examine and describes whether ne nor the bandwiding on questioned document, Q11, was written by Jetenty Tipers.

The fullowing questioned and known handwritten documents were provided by Venda Shingdenet for comparison:

QD1 Jun Karl Manke Check #1970 Six \$150.00 E1 7 handweiting utangkan from Jeremy Tippets

On September 11, 2006, I received the following known distinuents from Verda Shingleton for comparison:

K2 6 laneferiting exception from Jerrary Tipper

FINDINGS:

Upon comparison of the questioned document with the known documents written by Jeremy Tippers, I found significant dissimilarities between the questioned document, QD1, and the known documents, K1 and K2. Therefore, in my opinion, it is highly probable that Jeremy Tippers IS NOT the author of the questioned document (QD1).

WHAT JUDGES CONSIDER UNDER DAUBERT

- Has the expert's theory or technique been tested? (Slide 8 - Basic Premises)
- Has the expert's theory or technique been subjected to peer review and publication? (ABFDE Certification)
- Is there a known or potential error rate for this procedure? (ABFDE Three-tier Testing for CERT.)
- Are there standards controlling the technique's operation? (ASTM International & SWGDOC)
- Is the theory or technique generally accepted by the relevant scientific community? (AAFS Acceptance)

 Inn Seamon Kelly

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PEER REVIEW

 Did the examiner have his work checked by another examiner?

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FUTURE OF QUESTIONED HANDWRITING EXAMINATION

- Computers
- Emails
- · Cell phones
- Text messaging

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HELLGATE KNIGHTS VARSITY FOOTBALL
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